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TITLE : MANUFACTURE OF FORMED ARTICLE OF ACTIVATED CARBON

ABSTRACT : PURPOSE: To produce formed activated carbon containing powdery activated carbon dispersed in a carbon skeleton having air-permeable pores, by using an organic binder and a powdery activated carbon coated with a depolymerizable organic material as raw materials, kneading and forming the materials, and carbonizing the formed mixture.

CONSTITUTION: Powdery activated carbon is coated with a depolymerizable organic material such as polyethylene, polypropylene, polybutadiene, etc. The amount of the organic material is 5~100pts.wt. per 100pts. of the activated carbon. The powdery activated carbon and an organic binder forming a carbon skeleton are used as main materials, and are kneaded and formed. The objective formed activated carbon containing powdery activated carbon dispersed in a carbon skeleton having air-permeable pores can be produced by carbonizing the formed mixture. The formed activated carbon has the function of activated carbon as well as the strength of the formed article.

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